Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

VOL. 26 **OCTOBER, 1899** NO. 10

BULLETIN

OF THE

TORREY BOTANICAL CLUB

EDITOR

LUCIEN MARCUS UNDERWOOD

ASSOCIATE EDITORS

CARLTON CLARENCE CURTIS
BYRON DAVID HALSTED
ARTHUR HOLLICK
MARSHALL AVERY HOWE
FRANCIS ERNEST LLOYD
ANNA MURRAY VAIL

CONTENTS

Symbiosis and Saprophytism (PLATES 367-369): *Daniel Trembly MacDougal* . . . 511
A Revision of the North American Species of *Scleropodium*: *A. J. Grout* 531
New Species from the Western United States: *P. A. Rydberg* 541
New and interesting Plants from Western North America.—VI: *A. A. Heller* . . . 547
Mrs. Arvilla J. Ellis 553
INDEX TO RECENT LITERATURE RELATING TO AMERICAN BOTANY 554

PUBLISHED FOR THE CLUB

THE NEW ERA PRINTING COMPANY
LANCASTER, PA.

THE TORREY BOTANICAL CLUB

OFFICERS FOR 1899

President,

HON. ADDISON BROWN.

Vice Presidents,

T. F. ALLEN, M. D. HENRY H. RUSBY, M. D.

Recording Secretary,

PROF. EDW. S. BURGESS,
Normal College, New York City

Corresponding Secretary,

DR. JOHN K. SMALL,
Botanical Garden, Bronx Park, New York City.

Editor,

L. M. UNDERWOOD, Ph. D.,
Columbia University.

Treasurer,

MATURIN L. DELAFIELD, JR.
56 Liberty Street, New York City.

Associate Editors,

ANNA MURRAY VAIL, BYRON D. HALSTED, Sc. D.
ARTHUR HOLLICK, Ph. D., CARLTON C. CURTIS, Ph. D.,
MARSHALL A. HOWE, Ph. D., PROF. FRANCIS E. LLOYD.

Curator,

HELEN M. INGERSOLL.

Librarian,

PER AXEL RYDBERG, Ph. D.,

Committee on Finance.

J. I. KANE. WM. E. DODGE.

Committee on Admissions.

CORNELIUS VAN BRUNT, JEANNETTE B. GREENE, M. D.,
319 E. 57th Street, New York City. 135 W. 41st Street, New York City.

JOHN K. SMALL, Ph. D.
Botanical Garden, Bronx Park.

Committee on Library and Herbarium.

PER AXEL RYDBERG, Ph. D., MARIE L. SANIAL,
HELEN M. INGERSOLL, ALICE M. ISAACS.

Committees on the Local Flora,

PROF. N. L. BRITTON, Ph. D.,

PHANEROGAMIA, CRYPTOGAMIA,

EUGENE P. BICKNELL, PROF. L. M. UNDERWOOD, Ph. D.
H. H. RUSBY, M. D., MARSHALL A. HOWE, Ph. D.,
REV. GEO. D. HULST, MRS. ELIZABETH G. BRITTON.

Committee on Excursions.

DR. L. SCHOENEY,
1670 Lexington Avenue, New York City.

GEORGE V. NASH, EUGENE SMITH,
MARIE L. SANIAL, W. A. BASTEDO.

Committee on Program.

DR. H. H. RUSBY, DR. C. C. CURTIS,
MRS. ELIZABETH G. BRITTON.

The Club meets regularly at the College of Pharmacy, 115 West 68th Street, New York City, on the second Tuesday and last Wednesday of each month, except June, July, August and September, at 8 o'clock, P. M. Botanists are cordially invited to attend.

MEMBERS OF THE CLUB will please remit their annual dues for 1899, now ayable to Mr. Maturin L. Delafield, Jr., Treasurer, 56 Liberty St., New York City.